

Applicant: Nenoen et al.
Application No.: 10/695,483
Response to Office action dated May 12, 2005
Amendment dated May 23, 2005

Claim Listing

1. (currently amended) An apparatus for fabric guiding in a paper machine comprising at least one fabric arranged as an endless loop as well as rolls adapted to support it, wherein the rolls include a first roll, and wherein for which rolls there is arranged, at the end of at least one of these rolls, comprising a the first roll[[,] there is arranged equipment that includes:

a stand adapted to attach to a paper machine frame;
a nip guard in the stand at gaps formed by the first roll and the fabric;
a transfer base movably adapted to the stand;
transfer equipment for moving the transfer base in relation to the stand;
at least one edge detector for the first roll, arranged on the opposite side of the fabric, for determining the fabric position in the axial direction of the first roll; and
a vertical bracket arranged to the stand for the edge detector, whereby the first roll end supported by the transfer equipment is adapted to be set according to the edge detector by the transfer equipment for keeping a desired fabric position at the rolls, characterized in that the vertical bracket and the nip guard form an integrated sheet-metal construction.

2. (original) The apparatus of claim 1 wherein the integrated sheet-metal construction is formed of one continuous sheet metal sheet.

3. (currently amended) The apparatus of claim 1 wherein the sheet-metal construction further comprises two vertical brackets of a box-type structure, the vertical brackets having upper parts, and wherein between the upper parts of which there is a horizontal box-type structure.

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4. (original) The apparatus of claim 1 wherein the sheet metal construction is formed of sheet metal having a thickness of from 1–4 mm.

5. (original) The apparatus of claim 4 wherein the sheet metal construction is formed of sheet metal having a thickness of from 2.5–3.5 mm.

6. (original) The apparatus of claim 1 wherein there is provided an opening as well as locking devices for fastening the edge detector to the vertical bracket.

7. (currently amended) The apparatus of claim 6 wherein at the edges of the opening there are arranged three support points in the peripheral direction at uniform intervals, of which points one is formed of the said locking devices for fastening ~~a cylinder-like a cylindrical~~ edge detector.

8. (original) The apparatus of claim 7 wherein the locking devices include a slide movably adapted in relation to the opening, with a wedge surface for fastening edge detectors of different diameters.

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9. (currently amended) A paper machine with an apparatus for fabric guiding, comprising:
- a plurality of rolls including [[one]] a first roll, the first roll rotating about an axis and having an end, the direction of the axis defining an axial direction;
- at least one fabric arranged as an endless loop supported on the plurality of rolls, the at least one fabric passing over the first roll, wherein [[and]] gaps [[being]] are defined between portions of the fabric and the first roll;
- at [[an]] the end of the [[first]] first roll there is arranged:
- a stand attached to a paper machine frame;
- a transfer base movably adapted to the stand;
- transfer equipment for moving the transfer base in relation to the stand;
- at least one edge detector for the first roll, arranged on the opposite side of the fabric, for determining the fabric position in the axial direction of the first roll; and
- an integral sheet-metal construction having portions defining a nip guard in the stand at the gaps formed by the first roll and the fabric and a vertical bracket mounted to the stand, the at least one edge detector being fixed to the vertical bracket, wherein a first roll end supported by the transfer equipment is set according to the edge detector by the transfer equipment for keeping a desired fabric position at the rolls.